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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/753,408

01/09/2004

Kenichiro Yamane

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EXAMINER

ARTHUR JEANGLAUD, GERTRUDE

ART UNIT

PAPER NUMBER

3661

MAIL DATE

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PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/753,408	<b>Applicant(s)</b> YAMANE ET AL.	
	<b>Examiner</b> GERTRUDE ARTHUR JEANGLAUD	<b>Art Unit</b> 3661	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 09 January 2004.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 7, 8 and 10 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 7, 8 and 10 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 09 January 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |   |   |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                  | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 7, is rejected under 35 U.S.C. 103(a) as being unpatentable over Kakiyama et al. (U.S. Patent No. 5,293,163) in view of Shimoura et al. (JP 2000-306190).

Regarding claim 7, Kakiyama et al. disclose a display method for a car navigation system which displays a position and proceeding direction of a user's car on a road map and displays a guide route on the road map (See abstract), the display method overlapping displaying a graphic at a position on the road map corresponding to traffic information (See col. 14, lines 66-68-col .15, lines 1-10). Kakiyama et al. although disclose the display is made in overlapped manner of the road and traffic information; it does not specifically disclose traffic jam statistical information.

In an analogous art, Shimoura et al. disclose a traffic information management wherein it discloses an area surrounded by said graphic depends on the traffic jam statistical information and a statistical reliability of the traffic jam statistical information (considered as traffic information collection with feature values), wherein said statistical reliability is a rank classification based on a standard deviation (using Kalman filter) of

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said traffic jam statistical information, and wherein said graphic has a perimeter that changes based on said statistical reliability (See abstract). It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the system of Kakahara et al. with that of Shimoura by having traffic jam statistical information and a statistical reliability wherein the statistical reliability is a rank classification based on a standard deviation of the traffic jam statistical information in order to provide traffic information which precisely and efficiently measures the number of vehicles.

Claims 8, 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kakahara et al. (U.S. Patent No. 5,293,163) in view of Shimoura et al. (JP 2000-306190) and Nanba et al. (U.S. Patent No. 5,874,905).

Regarding claims 8, 10, Kakahara et al. and Shimoura et al. combined disclose all but fail to specifically disclose a display classifying colors with traffic jam and a circle. In an analogous art, Nanba et al. disclose traffic jam, a display which changes in colors and classifying colors but does not specifically disclose a circle and classifying the colors with the traffic jam. However, Nanba et al. also disclose different patterns and direction mark in larger size and changing color in the display and thicker line (See col. 11, lines 1-14). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to have different patterns and colors with display and traffic jam in order to better understand the displayed route information.

## REMARKS

In Applicant's representative argument dated 9/28/09, page 7, it defines the present invention as : "In contrast, the present invention determines a standard deviation of traffic jam statistical information based on the repeatability of that information. In particular, traffic information is collected at various locations and at various times, the information is compiled and analyzed to provide statistical traffic information and a reliability of the same, and the statistical information and the reliability of that information is overlappingly displayed on a map." It appears that the prior art of Kakihara and that of Shimoura in combination teach the concept of the invention.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to GERTRUDE ARTHUR JEANGLAUD whose telephone number is (571)272-6954. The examiner can normally be reached on Monday-Friday from 8:30 a.m. to 6:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas Black can be reached on (571) 272-6956. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Gertrude Arthur-Jeanglaude/  
Primary Examiner, Art Unit 3661